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(54) BAND SECURING TYPE VPN CONSTRUCTING METHOD

(57) Abstract:

PROBLEM TO BE SOLVED: To secure VPN(virtual private network) by the unit of a host or a sub-net.

SOLUTION: An IP tunnel 101 is constituted between routers 300A and 300B connected to Internet 100 and a network resource reserving type protocol is started on this IP tunnel 101 to reserve the band width of the IP tunnel 101 to secure the band of VPN by the unit of the host to the sub-net. In addition, as the traffic control of routers 300A, 300 and 300B on the IP tunnel 101, the sending frequency of a packet which an inputting processor and an outputting processor within each router process is assigned by the ratio of a transmission band width reserved to the IP tunnel 1 to simplify the algorithm of traffic control. In addition, each router 300A, 300 and 300B on the IP tunnel is provided with a reserving schedule function to manage the using time of band securing type VPN to secure a band at a designation date.

